

Oxygen Therapy Stratford

Oxygen Therapy Stratford - H₂O₂ or Hydrogen peroxide is a compound containing a single bond oxygen-oxygen and an oxidizer. The chemical name is H₂O₂. Hydrogen peroxide is a clear liquid that is somewhat more viscous than water. It is often used as a cleaning agent or as bleach. It is considered a highly reactive type of oxygen because the oxidizing capacity of H₂O₂ is really strong.

There are many uses of H₂O₂. For example, it is utilized as a propellant in rocketry. On the natural front it is produced in organisms as a by-product of oxidative metabolism. Practically all living things contain enzymes referred to as catalase peroxidases which harmlessly and catalytically decompose low concentrations of H₂O₂ into oxygen and water.

When being used as an oxidizing agent, as an antimicrobial agent, or used for various other reasons; H₂O₂ is normally recognized to be safe by the U.S. FDA. For instance, 35% hydrogen peroxide is utilized in the hospitals to stop infection transmission and H₂O₂ vapour is registered with the United States EPA as a sporicidal sterilant.

Amongst the various uses for H₂O₂ include: being utilized in veterinary practice as an emetic, and being combined along with benzyl peroxide as a treatment for acne. Hydrogen peroxide can be used as a toothpaste or as an oral debriding agent, if combined together with the correct amount of baking soda and salt, although, this formula is not more efficient compared to toothpaste by itself.

The reputation for hydrogen peroxide is that it can be used as an antiseptic or as a disinfectant in the treatment of wounds. This on the other hand, is a common misconception. Though H₂O₂ is an effectual cleaning agent, it is not recommended for reducing bacterial infection of wounds and applying it can truly impede healing and possibly lead to scarring as it destroys skin cells that are newly formed.

Some alternative medical practitioners have recommended drinking diluted hydrogen peroxide as a treatment to diseases, and particularly cancer. The American Cancer Society states that "there is no scientific evidence that hydrogen peroxide is a safe, effective or useful cancer treatment", and advises cancer patients to "remain in the care of qualified doctors who use proven methods of treatment and approved clinical trials of promising new treatments."

The use of hydrogen peroxide intravenously, has been associated to several deaths. One other controversial treatment utilizing hydrogen peroxide has surfaced, with the inhalation of hydrogen peroxide at a 1 percent concentration. Individuals should be safe and careful when using hydrogen peroxide.